## CPP 程式設計題

命題者:Wen-Kai, Wang	
題目名稱(中文/英文):Set Exercise	
主要測試觀念:	
Basics	Functions
C++ BASICS 1  FLOW OF CONTROL  FUNCTION BASICS  PARAMETERS AND OVERLOADING  ARRAYS  STRUCTURES AND CLASSES  CONSTRUCTORS AND OTHER TOOLS  OPERATOR OVERLOADING, FRIENDS, AND REFERENCES  STRINGS  POINTERS AND DYNAMIC ARRAYS	□ SEPARATE COMPILATION AND NAMESPACES         □ STREAMS AND FILE I/O         □ RECURSION         □ INHERITANCE         □ POLYMORPHISM AND VIRTUAL FUNCTIONS         □ TEMPLATES         □ LINKED DATA STRUCTURES         □ EXCEPTION HANDLING         ■ STANDARD TEMPLATE LIBRARY         □ PATTERNS AND UML
題目説明: Consider a text file of names, with	one name per line, that has been compiled
from several different sources. A sample is shown in the following: Brooke Trout Dinah Soars Jed Dye Brooke Trout Jed Dye Paige Turner There are duplicate names in the file. We would like to generate an invitation list but do not want to send multiple invitations to the same person. Write a program that eliminates the duplicate names by using the set template class. Read each name from the file (name.txt), add it to the set, and then output all names in the set to generate the invitation list without duplicates.  輸入說明: 輸出說明:Output on console. IO 範例:	
Sample Input	Sample Output
	Brooke Trout
第一組測資與輸 出	Dinah Soars Jed Dye Paige Turner
第二組(測試用) File: name. txt	, ,
附屬資料:	
☑解答程式:SetExercise.cpp(檔名)	
☑測試資料: name. txt(sample), outp	out.txt(sample),

name.txt(testfile), output.txt(testfile)

易,僅需用到基礎程式設計語法與結構

□中,需用到多項程式設計語法與結構
□難,需用到多項程式結構或較為複雜之資料型態或結構
解題時間:30 分鐘。
其他註記: